

ABSTRACT OF THE DISCLOSURE

A digital projection apparatus (10) for projection of a multicolor image. A light source (20) provides visible light and a dichroic separator (27) splits the visible light into color light beams. Illumination optics directs each of
5 the color light beams into a corresponding light modulation assembly (38). A magnifying relay lens (28) for each color light beam focuses and relays the modulated light to form a magnified real image of the reflective spatial light modulator (30). A dichroic combiner (26) forms a multicolor image by
10 overlapping the magnified real images corresponding to each of the color light beams on a common optical axis. A projection lens projects the multicolor image toward a display surface. The polarization analyzers (72) are tilted relative to a local optical axis and are located in proximity to at least one of the magnified real images of the color light beams.